# RAW SEQUENCE LISTING PATENT APPLICATION US/08/918,288

DATE: 06/09/2000 TIME: 05:01:51

INPUT SET: S35603.raw



This Raw Listing contains the General Information Section and up to the first 5 pages.

1 2		SEQUENCE LISTING	
3 4	(1)	General Information	ERED
5 6 7		(i) APPLICANT: BOIME, Irving MOYLE, William R.	-n <b>E</b> D
, 8 9 10		(ii) TITLE OF THE INVENTION: SINGLE-CHAIN FORMS OF THE GLYCOPROTEIN HORMONE QUARTET	•
11 12		(iii) NUMBER OF SEQUENCES: 83	
13 14 15 16 17 18 19 20		<pre>(iv) CORRESPONDENCE ADDRESS:    (A) ADDRESSEE: MORRISON &amp; FOERSTER    (B) STREET: 2000 Pennsylvania Avenue, NW, suite 5500    (C) CITY: Washington    (D) STATE: DC    (E) COUNTRY: USA    (F) ZIP: 20006-1888</pre>	
21 22 23 24 25 26		<ul><li>(v) COMPUTER READABLE FORM:</li><li>(A) MEDIUM TYPE: Diskette</li><li>(B) COMPUTER: IBM Compatible</li><li>(C) OPERATING SYSTEM: DOS</li><li>(D) SOFTWARE: FastSEQ for Windows Version 2.0</li></ul>	
27 28 29 30 31		<ul><li>(vi) CURRENT APPLICATION DATA:</li><li>(A) APPLICATION NUMBER: 08/918,288</li><li>(B) FILING DATE:</li><li>(C) CLASSIFICATION:</li></ul>	
32 33 34 35 36		<pre>(vii) PRIOR APPLICATION DATA:   (A) APPLICATION NUMBER: 09/282,357   (B) FILING DATE:   (A) APPLICATION NUMBER: 08/853,524</pre>	
37 38 39 40 41		(B) FILING DATE: 09-MAY-1997  (A) APPLICATION NUMBER: 08/199,382  (B) FILING DATE: 18-FEB-1994	
42 43 44 45 46		<pre>(viii) ATTORNEY/AGENT INFORMATION:   (A) NAME: Murashige, Kate H   (B) REGISTRATION NUMBER: 29,959   (C) REFERENCE/DOCKET NUMBER: 29500-20050.25</pre>	

## RAW SEQUENCE LISTING PATENT APPLICATION US/08/918,288

DATE: 06/09/2000 TIME: 05:01:52

INPUT SET: S35603.raw

47		
48	(ix) TELECOMMUNICATION INFORMATION:	
49	(A) TELEPHONE: 202-887-1500	
50	(B) TELEFAX: 202-887-0763	
51	(C) TELEX:	
52		
53		
54	(2) INFORMATION FOR SEQ ID NO:1:	
55	(a)	
56	(i) SEQUENCE CHARACTERISTICS:	
57	(A) LENGTH: 28 amino acids	
58	(B) TYPE: amino acid	
59	(C) STRANDEDNESS: single	
60	(D) TOPOLOGY: linear	
61	(b) forelegg. Theat	
62		
63	(vi) SPONDENCE DESCRIPTION, SPO ID NO.1.	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:	
64 65	Con Con Con Con Iva Ala Dro Dro Dro Con Iou Dro Con Dro Con Ana	
66	Ser Ser Ser Lys Ala Pro Pro Pro Ser Leu Pro Ser Pro Ser Arg  1 15	
67	1 5 10 15 Leu Pro Gly Pro Ser Asp Thr Pro Ile Leu Pro Gln	
	20 25	0.
68 69	20 25	
70	(2) INFORMATION FOR SEQ ID NO:2:	
71	(2) INFORMATION FOR SEQ ID NO:2:	
71 72	(i) SEQUENCE CHARACTERISTICS:	
73		
73 74	(A) LENGTH: 836 base pairs (B) TYPE: nucleic acid	
	(C) STRANDEDNESS: double	
75 76		
76	(D) TOPOLOGY: linear	
77	(in) PRABINE	
78	(ix) FEATURE:	
79	(A) NAME / VEV. Coding Company	
80	(A) NAME/KEY: Coding Sequence (B) LOCATION: 33827	
81		
82	(D) OTHER INFORMATION:	
83	( ) GROVENOR PROGRESSION GROUP NO 3	
84	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:	
85	ARCA ARGON COCKAMICA CREGATICANA CO ARG CAG ARG CAG CREG	53
86	ATGAAATCGA CGGAATCAGA CTCGAGCCAA GG ATG GAG ATG TTC CAG GGG CTG	53
87	Met Glu Met Phe Gln Gly Leu	
88	1 5	
89		101
90	CTG CTG TTG CTG CTG AGC ATG GGC GGG ACA TGG GCA TCC AAG GAG	101
91	Leu Leu Leu Leu Leu Ser Met Gly Gly Thr Trp Ala Ser Lys Glu	
92	10 15 20	
93		
94	CCG CTT CGG CCA CGG TGC CGC CCC ATC AAT GCC ACC CTG GCT GTG GAG	149
95	Pro Leu Arg Pro Arg Cys Arg Pro Ile Asn Ala Thr Leu Ala Val Glu	
96	25 30 35	
97		
98	AAG GAG GGC TGC CCC GTG TGC ATC ACC GTC AAC ACC ACC ATC TGT GCC	197
99	Lys Glu Gly Cys Pro Val Cys Ile Thr Val Asn Thr Thr Ile Cys Ala	

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/918,288

DATE: 06/09/2000 TIME: 05:01:53

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														INI	PUT S	ET: S3560.	3.raw
100 101	40					45					50					55	
102 103 104				CCC Pro													245
105 106				GTG	GTG					GAT					TCC		293
107 108 109	Leu	Pro	Gln	Val 75	Val	Cys	Asn	Tyr	Arg 80	Asp	Val	Arg	Phe	Glu 85	Ser	Ile	•
110 111 112				GGC Gly													341
113 114 115 116				AGC Ser													389
117 118 119 120				CCC Pro													437
121 122 123 124 125				TCT Ser													485
126 127 128 129				CCG Pro 155													533
130 131 132 133				TCT Ser													581
134 135 136 137				GAA Glu													629
138 139 140 141			_	GGC Gly													677
142 143 144 145				ACG Thr													725
146 147 148 149				GCT Ala 235													773
150 151 152				AAC Asn													821

#### RAW SEQUENCE LISTING PATENT APPLICATION US/08/918,288

DATE: 06/09/2000 TIME: 05:01:54

INPUT SET: S35603.raw

```
153
154
      AAA TCT TAAGGTACC
                                                                              836
155
      Lys Ser
           265
156
157
158
                (2) INFORMATION FOR SEQ ID NO:3:
159
160
            (i) SEQUENCE CHARACTERISTICS:
161
               (A) LENGTH: 265 amino acids
162
               (B) TYPE: amino acid
163
               (C) STRANDEDNESS: single
164
               (D) TOPOLOGY: linear
165
166.
167
             (ii) MOLECULE TYPE: protein
             (v) FRAGMENT TYPE: internal
168
169
170
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
171
172
      Met Glu Met Phe Gln Gly Leu Leu Leu Leu Leu Leu Ser Met Gly
173
                                            10
      Gly Thr Trp Ala Ser Lys Glu Pro Leu Arg Pro Arg Cys Arg Pro Ile
174
175
176
      Asn Ala Thr Leu Ala Val Glu Lys Glu Gly Cys Pro Val Cys Ile Thr
177
      Val Asn Thr Thr Ile Cys Ala Gly Tyr Cys Pro Thr Met Thr Arg Val
178
179
                               55
                                                    60
      Leu Gln Gly Val Leu Pro Ala Leu Pro Gln Val Val Cys Asn Tyr Arg
180
181
                           70
                                                75
      Asp Val Arg Phe Glu Ser Ile Arg Leu Pro Gly Cys Pro Arg Gly Val
182
183
      Asn Pro Val Val Ser Tyr Ala Val Ala Leu Ser Cys Gln Cys Ala Leu
184
185
                   100
                                       105
                                                            110
186
      Cys Arg Arg Ser Thr Thr Asp Cys Gly Gly Pro Lys Asp His Pro Leu
            . 115
187
                                   120
                                                        125
188
      Thr Cys Asp Asp Pro Arg Phe Gln Asp Ser Ser Ser Lys Ala Pro
189
                               135
                                                    140
      Pro Pro Ser Leu Pro Ser Pro Ser Arg Leu Pro Gly Pro Ser Asp Thr
190
                           150
                                                155
191
      Pro Ile Leu Pro Gln Gly Ser Gly Ser Gly Ser Ala Pro Asp
192
                                            170
193
                       165
      Val Gln Asp Cys Pro Glu Cys Thr Leu Gln Glu Asn Pro Phe Phe Ser
194
195
                   180
                                       185
      Gln Pro Gly Ala Pro Ile Leu Gln Cys Met Gly Cys Cys Phe Ser Arg
196
                                   200
                                                        205
197
               195
      Ala Tyr Pro Thr Pro Leu Arg Ser Lys Lys Thr Met Leu Val Gln Lys
198
199
                               215
                                                    220
           210
200
      Asn Val Thr Ser Glu Ser Thr Cys Cys Val Ala Lys Ser Tyr Asn Arg
201
                           230
                                                235
      Val Thr Val Met Gly Gly Phe Lys Val Glu Asn His Thr Ala Cys His
202
                                           250
203
                       245
      Cys Ser Thr Cys Tyr Tyr His Lys Ser
204
205
```

## RAW SEQUENCE LISTING PATENT APPLICATION US/08/918,288

DATE: 06/09/2000 TIME: 05:01:55

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	INFU1 SE1: S55003	o.raw
2.06		
207	(2) INFORMATION FOR SEQ ID NO:4:	
208		
209	(i) SEQUENCE CHARACTERISTICS:	
210	(A) LENGTH: 834 base pairs	
211	(B) TYPE: nucleic acid	
212	(C) STRANDEDNESS: double	
213	(D) TOPOLOGY: linear	
214		
215		
216	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:	
217		
218	TCCGGATTAG CTTGAGATGG ATCCGGTACC TTAAGATTTG TGATAATAAC AAGTACTGCA	60
219	GTGGCACGCC GTGTGGTTCT CCACTTTGAA ACCCCCCATT ACTGTGACCC TGTTATATGA	120
220	TTTAGCTACA CAGCAAGTGG ACTCTGAGGT GACGTTCTTT TGGACCAACA TCGTCTTCTT	180
221	GGACCTTAGT GGAGTGGGAT ATGCTCTAGA GAAGCAGCAG CCCATGCACT GAAGTATTGG	240
222	GGCACCCGGC TGGGAGAAGA ATGGGTTTTC CTGTAGCGTG CATTCTGGGC AATCCTGCAC	300
223	ATCAGGAGCG CTACCAGATC CGCTACCGGA TCCTTGGGGG AGGATCGGGG TGTCCGAGGG	360
224	CCCCGGGAGT CGGGATGGGC TTGGAAGGCT GGGGGGAGGG GCCTTTGAGG AAGAGGAGTC	420
225	CTGGAAGCGG GGGTCATCAC AGGTCAAGGG GTGGTCCTTG GGACCCCCGC AGTCAGTGGT	480
226	GCTGCGGCGG CAGAGTGCAC ATTGACAGCT GAGAGCCACG GCGTAGGAGA CCACGGGGTT	540.
227	CACGCCGCGC GGGCAGCCAG GGAGCCGGAT GGACTCGAAG CGCACATCGC GGTAGTTGCA	600
228	CACCACCTGA GGCAGGGCCG GCAGGACCCC CTGCAGCACG CGGGTCATGG TGGGGCAGTA	660
229	GCCGGCACAG ATGGTGGTGT TGACGGTGAT GCACACGGGG CAGCCCTCCT TCTCCACAGC	720
230	CAGGGTGGCA TTGATGGGGC GGCACCGTGG CCGAAGCGGC TCCTTGGATG CCCATGTCCC	780
231	GCCCATGCTC AGCAGCAGCA ACAGCAGCAG CCCCTGGAAC ATCTCCATCC TTGG	834
232		
233	(2) INFORMATION FOR SEQ ID NO:5:	
234		
235	(i) SEQUENCE CHARACTERISTICS:	
236	(A) LENGTH: 743 base pairs	
237	(B) TYPE: nucleic acid	
238	(C) STRANDEDNESS: double	
239	(D) TOPOLOGY: linear	
240		
241	(ix) FEATURE:	
242		
243	(A) NAME/KEY: Coding Sequence	
244	(B) LOCATION: 33734	
245	(D) OTHER INFORMATION:	
246		
247	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:	
248		
249	ATGAAATCGA CGGAATCAGA CTCGAGCCAA GG ATG GAG ATG TTC CAG GGG CTG	53
250	Met Glu Met Phe Gln Gly Leu	
251	1 5	
252		
253	CTG CTG TTG CTG CTG AGC ATG GGC GGG ACA TGG GCA TCC AAG GAG	101
253 254	CTG CTG TTG CTG CTG AGC ATG GGC GGG ACA TGG GCA TCC AAG GAG	101
254	Leu Leu Leu Leu Leu Ser Met Gly Gly Thr Trp Ala Ser Lys Glu	101
254 255		101
254 255 256	Leu Leu Leu Leu Leu Ser Met Gly Gly Thr Trp Ala Ser Lys Glu 10 15 20	
254 255	Leu Leu Leu Leu Leu Ser Met Gly Gly Thr Trp Ala Ser Lys Glu	101

### SEQUENCE VERIFICATION REPORT PATENT APPLICATION US/08/918,288

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